

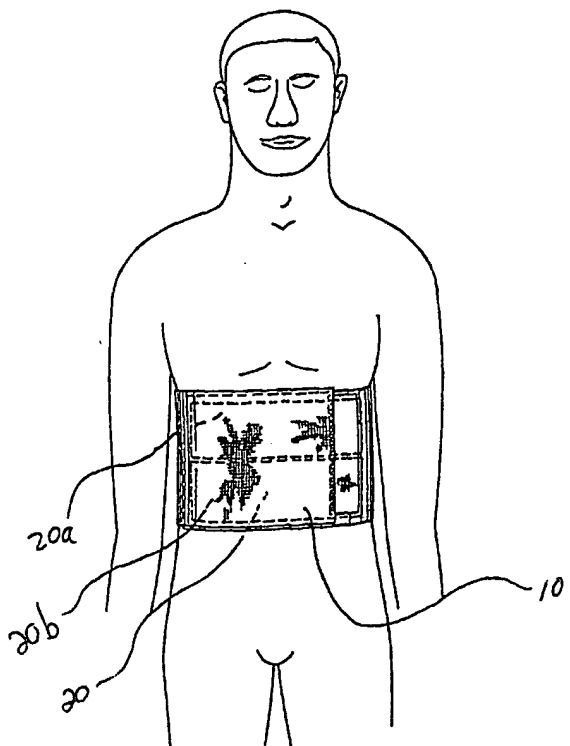
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(21) International Application Number: PCT/US00/05518 (22) International Filing Date: 2 March 2000 (02.03.00) (30) Priority Data: 60/123,055 5 March 1999 (05.03.99) US Not furnished 28 February 2000 (28.02.00) US (71) Applicant: DALE MEDICAL PRODUCTS [US/US]; P.O. Box 1556, 7 Cross Street, Plainville, MA 02762-0556 (US). (72) Inventor: KOVACS, Joseph; 294 Norwood Avenue, Cranston, RI 02905 (US). (74) Agent: SCHULTZ, Christopher, S.; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: WOUND DRESSING HOLDER**(57) Abstract**

A wound dressing holder (10) is provided to hold a wound dressing (20) in place. A wound dressing holder (10) is provided that includes a single piece of stretchable material (40), and a fastener (70) attached to one end of the single piece. The fastener (70) is to be removably secured to a first side of the single piece to hold a wound dressing (20) in place. The fastener (70) can be secured anywhere along the first side of the single piece.



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WOUND DRESSING HOLDER

Related Applications

5 This application claims priority to Provisional Application Serial No. 60/123,055 filed March 5, 1999, entitled "WOUND DRESSING HOLDER WRAP".

Background of the Invention

10 Wound dressings are typically held in place by bandages wrapped several times around the wound dressing, and the limb (or other body area) on which the wound occurs. Consequently, securing and changing the wound dressing is a time consuming task. Alternatively, the wound dressing is held in place by tape adhered to the wound dressing and the patient's skin. In this case, removing and changing the wound dressing can result in irritation of the patient's skin.

15

Summary of the Invention

 A wound dressing holder is provided to hold a wound dressing in place. According to a preferred embodiment, a wound dressing holder is provided that includes a single piece of stretchable material, and a fastener attached to one end of the single
20 piece. The fastener is to be removably secured to a first side of the single piece to hold a wound dressing in place. The fastener can be secured anywhere along the first side of the single piece.

Brief Description of the Drawings

25 Figure 1 shows a wound dressing holder wrap in use, according to a preferred embodiment of the invention;

 Figure 2 is a top plan view of the wound dressing holder wrap of Figure 1;

 Figure 3 is a plan view of the wound dressing holder wrap of Figures 1 and 2 in a non-secured state; and

30 Figure 4 is a cross-sectional view along lines 4-4 of Figure 3;

Detailed Description

Figures 1-4 show a wound dressing holder wrap 10 according to one preferred embodiment of the present invention. The wound dressing holder wrap 10 is used to hold a primary wound dressing (not shown) in place, or, alternatively, can also be used to
5 secure a secondary wound dressing 20 (including absorbent pads 20a and 20b) in place. Figure 1 shows the wound dressing holder wrap applied to the torso of a patient.

The wound dressing holder wrap 10 includes a stretchable material 40 having an absorbent material adhered thereto that serves as a secondary wound dressing 20. The secondary wound dressing is attached to the material 40 via adhesive strips 50 and 60.
10 As shown in Figures 1 and 3, two absorbent pads 20a and 20b constitute the secondary wound dressing. Alternatively, a single pad, or other type of appropriate dressing, can be used.

The wound dressing holder wrap also includes a hook fastener 70 attached to stretchable materials 40 via stitching 80. To facilitate attachment of the holder wrap to a
15 body part (for example, the torso of an individual as shown in Figure 1), the material 40 is stretchable in at least a lengthwise direction as shown by arrow A in Figure 3. The stretchability of the material 40 enables the holder 10 to securely hold the wound dressing 20 in place on the patient's body. The holder 10 can also be used to hold a primary wound dressing underneath the secondary dressing 20, or the holder can hold a
20 primary wound dressing in place without using the secondary dressing 20, or the dressing 20, if sterilized, can be used as the primary wound dressing.

The entire surface of the material 40 serves as the loop material to which hook fastener 70 can be attached. Hook fastener 70 can be attached anywhere along the outer surface of material 40, enabling the wound dressing holder wrap to be secured in many
25 different orientations, and on different sized patients, and attached to different areas on a patient's body.

The fastener 70 is shown as being sewn to material 40, however, it can also be fused, or attached by any other appropriate means to the stretchable material 40. Further, the fastener 70 is of a length less than the width of the wound dressing holder wrap 10, to
30 reduce the likelihood that the fastener hooks contact the patient's skin. The stretchable material 40 can be, for example, Kimberly Clark SB stretch material, however, other

appropriate stretchable materials can be used, that include means for attaching one end of the material anywhere along the outer surface of the material.

The pads 20a and 20b used as the secondary wound dressing 20, include absorbent material 30 therein to absorb secretion from the primary wound dressing. The
5 absorbent material 30 also provides padding in the sensitive wound area. Absorbent pads 20a and 20a are removably attached to the stretchable material 40 via adhesive strips 50 and 60. This facilitates replacement of the pads when redressing a wound area.

Combined use of easily attachable stretchable material 40, hook fastener 70
10 attachable anywhere along the surface of material 40, and the removable padding 20, makes changing or adjusting a primary or secondary wound dressing simple and quick. The wound dressing holder can also be used without padding 20 to hold a primary wound dressing in place.

The holder wrap 10 is also easily manufactured. The wound dressing holder is manufactured from a single rectangular piece of stretchable material 40. The stretchable
15 material can be cut in any number of sizes and shapes according to the part of the body the holder is to be attached. The fastener 70 can be attached before or after the stretchable material is cut to a desired size. Preferably, as shown in Fig. 1, the holder wrap is large enough to hold a dressing on the torso of a patient, although the invention is not limited to a particular size wound dressing holder wrap and other smaller or larger
20 sizes may be used.

Having thus described certain embodiments of the present invention, various alterations, modifications, and improvements will readily occur to those skilled in the art. Such alterations, modifications, and improvements are intended to be within the spirit and scope of the invention. Accordingly, the foregoing description is by way of example
25 only, and not intended to be limiting.

What is claimed is:

CLAIMS

1. A wound dressing holder comprising:
a single piece of stretchable material; and
a fastener attached to one end of the single piece, the fastener to be removably
5 secured to a first side of the single piece to hold a wound dressing in place, wherein the
fastener can be secured anywhere along the first side of the single piece.
2. The wound dressing holder of claim 1, wherein the fastener is a hook
fastener and the first side of the stretchable material is a loop fastener.
10
3. The wound dressing holder of claim 1, wherein the single piece of
stretchable material is rectangular.
4. The wound dressing holder of claim 1, further comprising an absorbent
15 pad attached to the stretchable material.
5. The wound dressing holder of claim 4, wherein the absorbent pad is
attached to a second side of the single piece.
- 20 6. The wound dressing holder of claim 5, wherein the absorbent pad is
removably attached to the second side.
7. The wound dressing holder of claim 6, wherein the absorbent pad is
adhered to the stretchable material.
25
8. The wound dressing holder of claim 7, wherein the absorbent pad acts as
a secondary wound dressing to be placed over a primary wound dressing held in place by
the wound dressing holder.
- 30 9. The wound dressing holder of claim 4, wherein the absorbent pad acts as
a secondary wound dressing to be placed over a primary wound dressing held in place by
the wound dressing holder.

10. The wound dressing holder of claim 1, further comprising first and second absorbent pads attached to the stretchable material.

11. The wound dressing holder of claim 10, wherein the absorbent pads are
5 attached to a second side of the single piece.

12. The wound dressing holder of claim 11, wherein the absorbent pads are removably attached to the second side.

10 13. The wound dressing holder of claim 2, wherein the single piece of stretchable material is rectangular.

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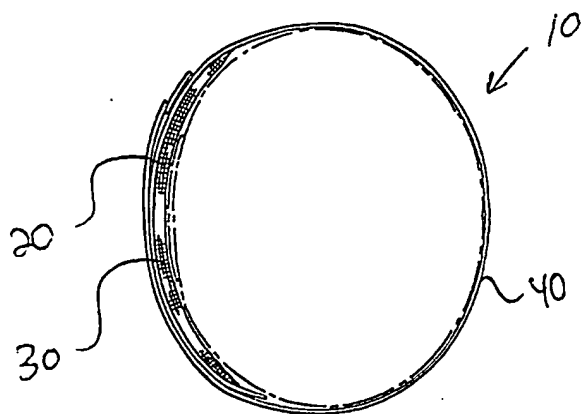
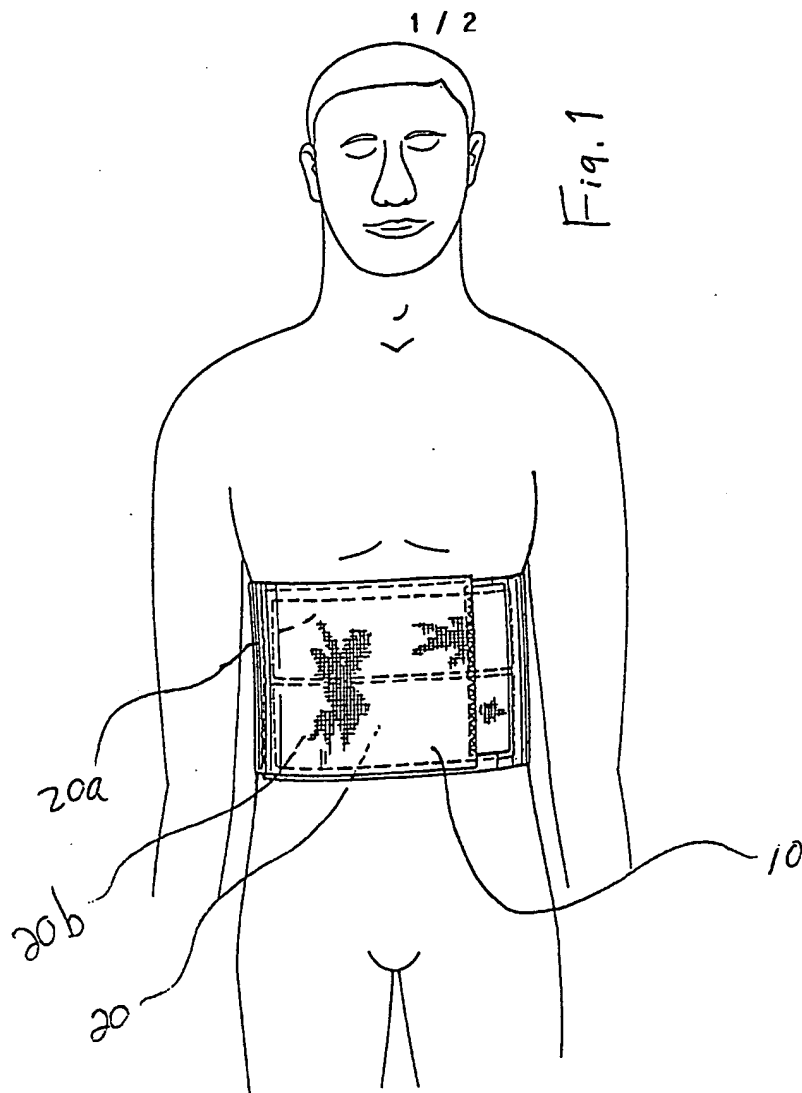
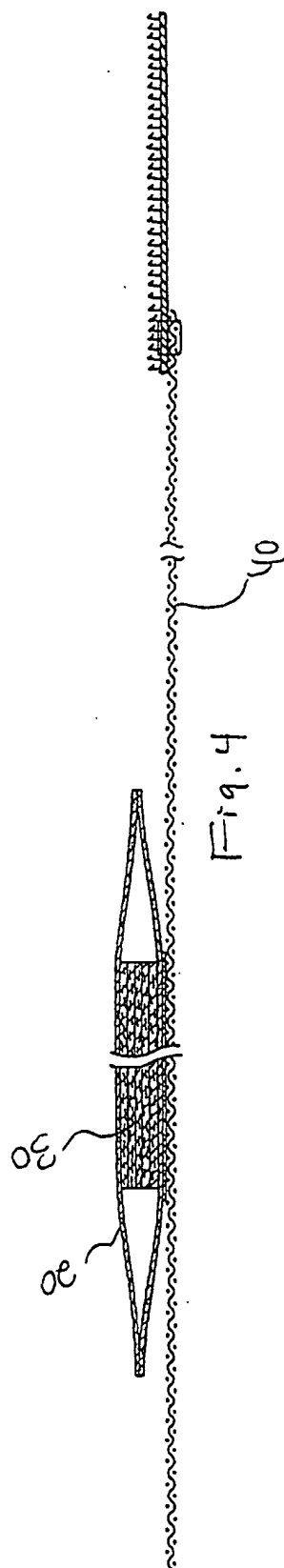
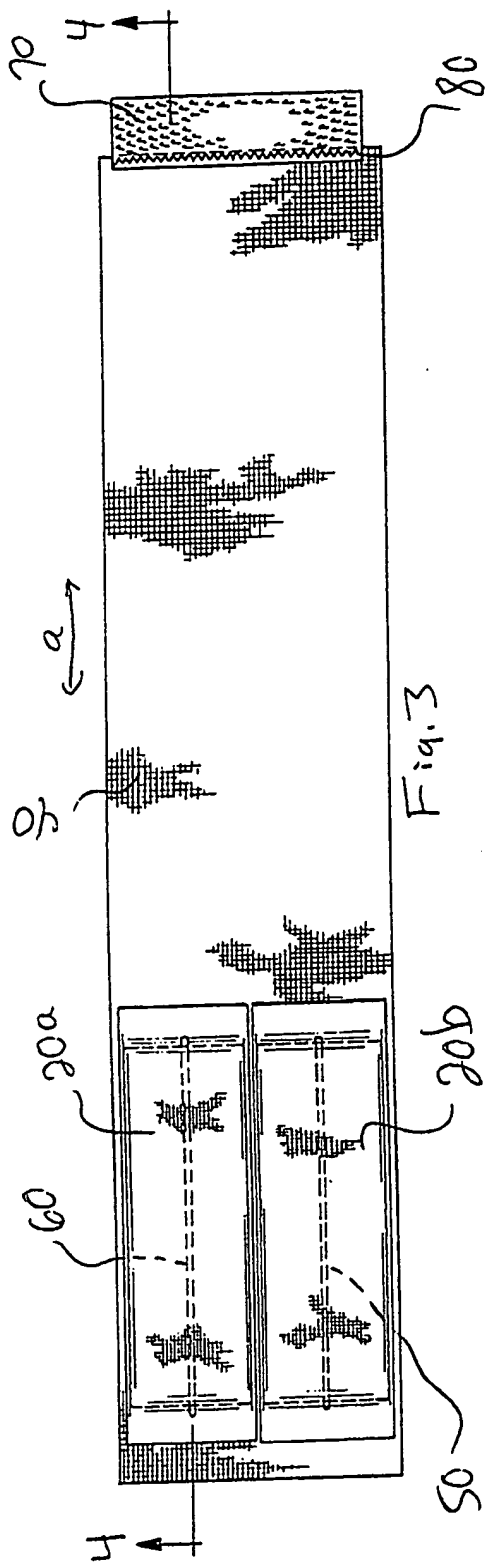


Fig. 2



INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/US 00/05518

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61F15/00 A61F13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 662 599 A (REICH MARSHALL P ET AL) 2 September 1997 (1997-09-02)	1-5, 7-11,13
Y	abstract column 5, line 32 -column 6, line 24; figures 1-3	6,12
Y	US 5 456 660 A (REICH MARSHALL P ET AL) 10 October 1995 (1995-10-10) column 5, line 21 - line 27; figures 1-6	6,12
X	US 5 807 300 A (NIX JR FRANK H) 15 September 1998 (1998-09-15) column 2, line 50 -column 4, line 13; figures 1,5,6	1-3,13
X	CH 188 798 A (FREI & KASSER A.-G.) 29 January 1936 (1936-01-29) the whole document	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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31 May 2000

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14/06/2000

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5662599 A	02-09-1997	EP 0955974 A WO 9729721 A	17-11-1999 21-08-1997
US 5456660 A	10-10-1995	NONE	
US 5807300 A	15-09-1998	WO 9811856 A	26-03-1998
CH 188798 A		NONE	